

Amendments to the Specification:

Please add the following new paragraph after the paragraph ending on line 12 page 20:

--FIG. 1(a) is a front view showing the end portions of an alternative embodiment of the infrared ray lamp of FIG. 1 wherein two external lead wires are provided at each end;--

Please replace the paragraph beginning at page 25, line 9, with the following rewritten paragraph:

--As shown in FIG. 1, in the infrared ray lamp of the first embodiment, a heating element 2, heat-emitting blocks 3 and internal lead wires 4 are sealed in a glass tube 1. Alternatively, as shown in FIG. 1 (a), two or more external lead wires 8 can be provided as electrodes at each end of the tube 1. The internal lead wire 4 is connected to an external lead wire 8 via a molybdenum foil sheet 7. The plate heating element 2 sealed in the glass tube 1 is formed of a carbon-based substance consisting of a mixture of crystallized carbon such as graphite, a resistance value adjustment substance and amorphous carbon. This heating element 2 has a plate shape measuring 6 mm in width, 0.5 mm in thickness and 300 mm in length for example. The heat-emitting block 3 is formed of a conductive material and electrically connected to one end of the heating element 2 by a method described later. A coil portion 5 is formed at one end of the internal lead wire 4, and a spring portion 6 having elasticity is formed following the coil portion 5.--